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+

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**



Declaration  
Submitted  
with Initial  
Filing

OR



Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16(e))  
required)

Attorney Docket Number

BP 2108

First Named Inventor

Contopanagos et al

**COMPLETE IF KNOWN**

Application Number

Filing Dat

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ON-CHIP INDUCTOR HAVING IMPROVED QUALITY FACTOR AND METHOD OF  
MANUFACTURE THEREOF**

the specification of which



is attached hereto  
OR



I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 3659a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCST international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

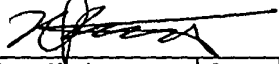
☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

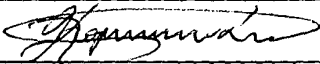
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

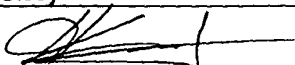
Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto

**DECLARATION - Utility or Design Patent Application**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application

U.S. Parent Application or PCT Parent Number		Parent Filing Date (MM/DD/YYYY)		Parent Patent Number (if applicable)	
<input type="checkbox"/> Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto					
Direct all correspondence to: <input type="checkbox"/> Customer Number or Bar Code Label OR <input type="checkbox"/> Correspondence address below					
Name	Timothy W. Markison				
Address	Garlick, Harrison & Markison, LLP				
Address	P.O. Box 160727				
City	Austin	State	TX	Zip	78716-0727
Country	US	Telephone	(512) 342-0612	Fax	(512) 342-1674
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))			Family Name or Surname		
Harry			Contopanagos		
Inventor's Signature				Date	2/05/02
Residence: City	Santa Monica	State	CA	Country	USA
Post Office Address					
Post Office Address	948 Euclid St				
City	Santa Monica	State	CA	Zip	90403
				Country	USA

Name of other Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))			Family Name or Surname		
Christos			Konninakis		
Inventor's Signature				Date	2/5/2002
Residence: City	Los Angeles	State	CA	Country	USA
Post Office Address	540 Kelton Ave #405				
Post Office Address					
City	Los Angeles	State	CA	Zip	90024
				Country	USA

Name of other Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))			Family Name or Surname		
Sissy			Kyriazidou		
Inventor's Signature				Date	2/5/02
Residence: City	Santa Monica	State	CA	Country	USA
Post Office Address	948 Euclid St				
Post Office Address					
City	Santa Monica	State	CA	Zip	90403
				Country	USA

Name of other Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))			Family Name or Surname		
Inventor's Signature				Date	
Residence: City		State		Country	
Post Office Address					
Post Office Address					
City		State		Zip	
				Country	

# Certificate Under 37 C.F.R. § 3.73(b)

Applicants: Harry Contopanagos, Christos Komninakis, and Sissy Hyriazidou

Application No.:

Filing Date:

Entitled: **ON-CHIP INDUCTOR HAVING IMPROVED QUALITY FACTOR AND METHOD OF MANUFACTURE THEREOF**

**Broadcom Corporation**  
(Name of Assignee)

**a, California Corporation**  
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

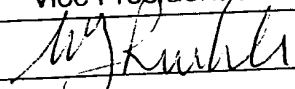
**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: February 8, 2002

Name: William J. Ruehle

Title: Vice President and Chief Financial Officer

Signature: 

**POWER OF ATTORNEY FROM ASSIGNEE**

Broadcom Corporation, a California corporation having a principal place of business at 16215 Alton Parkway, Irvine, California 92618-7013, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on 2/5/02 of an invention known as **ON-CHIP INDUCTOR HAVING IMPROVED QUALITY FACTOR AND METHOD OF MANUFACTURE THEREOF** (Attorney Docket No. BP 2108), which is disclosed and claimed in a patent application of the same title by the inventor(s) Harry Contopanagos, Christos Komninakis, and Sissy Kyriazidou (said application filed on \_\_\_\_\_ at the U.S. Patent and Trademark Office, having Application Number \_\_\_\_\_).

The Assignee hereby appoints the U.S. attorneys associated with Garlick, Harrison & Markison, LLP. to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith, such attorneys currently being: Bruce E. Garlick, Registration No. 36,520, James A. Harrison, Registration No. 40,401, Timothy W. Markison, Registration No. 33,534, Shayne X. Short, Registration No. 45,105, and Robert C. Strawbrich, Registration No. 36,692. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

GARLICK, HARRISON & MARKISON, LLP  
P.O. Box 160727  
AUSTIN, TEXAS 78716-0727.

Direct phone calls to Timothy W. Markison at (512) 342-0612.

FOR: Broadcom Corporation

SIGNATURE: \_\_\_\_\_

BY: William J. Ruehle

TITLE: Vice President and Chief Financial Officer

DATE: February 8, 2002



DATE DOCKETED

4/24/02

DATE REC'D

4/17/02

APRIL 16, 2002

PTAS

Chief Information Officer  
Washington, DC 20231  
www.uspto.govTIMOTHY W. MARKISON  
P.O. BOX 160727  
AUSTIN, TX 78716-0727

\*1 01989456A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/12/2002

REEL/FRAME: 012587 /0870  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
CONTOPANAGOS, HARRY

DOC DATE: 02/05/20 02

ASSIGNOR:  
KYRIAZIDOU, SISSY

DOC DATE: 02/05/20 02

ASSIGNOR:  
KOMNINAKIS, CHRISTOS

DOC DATE: 02/05/20 02

ASSIGNEE:  
BROADCOM CORPORATION  
16215 ALTON PARKWAY  
IRVINE, CALIFORNIA 92618-7013SERIAL NUMBER: 10074293  
PATENT NUMBER:FILING DATE: 02/12 /2002  
ISSUE DATE:

012587/0870 PAGE 2

MARCUS KIRK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

FORM PTO-1619A

expires 06/30/99  
omb 0651-0027

02-22-2002



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RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. Department of Commerce  
Patent and Trademark Office

PATENT

JC997 U.S. PTO  
10/074293

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

## Submission Type

- ☒ New  
☐ Resubmission (Non-Recordation)  
☐ Document ID#   
☐ Correction of PTO Error  
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Reel #  Frame #

## Conveyance Type

- ☒ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name  
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**U.S. Government**  
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## Conveying Party(ies)

☐ Mark if additional name of conveying parties attachedExecution Date  
Month Day Year

Party 1	Harry Contopanagos	2/5/2002
Party 2	Sissy Kyriazidou	2/5/2002
Party 3	Christos Komninakis	2/5/2002
Party 4		
Party 5		
Party 6		

## Receiving Party

☐ Mark if additional name of conveying parties attached

Name (line 1) Broadcom Corporation  
Name (line 2)   
Address 16215 Alton Parkway  
Address Irvine California 92618-7013  
City State/Country Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)

## Domestic Representative Name and Address

Enter for the first Receiving Party Only

Name Timothy W. Markison  
Address (line 1) P.O. Box 160727  
Address (line 2) Austin TX 78716-0727  
Address (line 3)   
Address (line 4)

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02/20/2002 WABDELRI 00000011 10074293  
03070338003 SHINASS1 00000094 10673874  
01 FC:8021 40.00 DP

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, DC 20231

expires 06/39/99  
omb 0651-0027

Correspondent Name and Address Area Code and Telephone Number (512) 342-0612

Name (line 1) Timothy W. Markison

Name (line 2)

Address P.O. Box 160727

Address

Austin

TX

78716-0727

City

State/Country

Zip Code

Pages Enter the total number of pages of the attached conveyance document including any attachments. # 2

Application Number(s) or Patent Number(s) ☐ Mark if additional numbers attached  
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).  
Patent Application Numbers(s) Patent Numbers

10,074,293

Month Day Year

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

2/5/2002

Patent Cooperation Treaty (PCT) PCT PCT PCT  
Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT

Number of Properties Enter the total number of properties involved. #

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ \$40.00

Method of Payment: Enclosed ☒ Deposit Account ☐  
Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number #

Authorization to charge additional fees: Yes ☐ No ☐

## Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Timothy W. Markison

Name of Person Signing

Signature

Date



## ASSIGNMENT for Patent Application

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor Harry Contopanagos, Christos Komninakis, and Sissy Kyriazidou, the undersigned inventor(s) hereby sell(s) and assign(s) to Broadcom Corporation, a California corporation having a principal place of business at 16215 Alton Parkway, Irvine, California 92618-7013 (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box (es) ☒ for the United States of America (as defined in 35 U.S.C. § 100 et seq.),  
☒ and throughout the world,

(a) in the invention(s) known as **ON-CHIP INDUCTOR HAVING IMPROVED QUALITY FACTOR AND METHOD OF MANUFACTURE THEREOF** for which application(s) for patent in the United States of America has (have) been executed by the undersigned on the dates indicated below in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

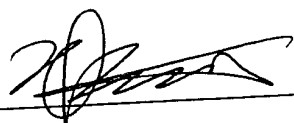
The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-

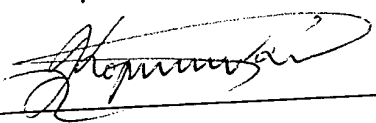
part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

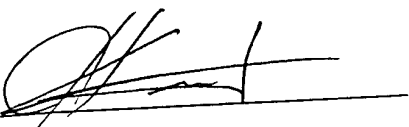
The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s): Bruce E. Garlick, Registration No. 36,520, James A. Harrison, Registration No. 40,401, Timothy W. Markison, Registration No. 33,534, and Shayne X. Short, Registration No. 45,105, and Robert C. Strawbrich, Registration No. 36,692; all of Garlick, Harrison & Markison, LLP, P.O. Box 160727, Austin, Texas 78716-0727, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Harry Contopanagos:  Date: 2/05/02

Christos Komninakis:  Date: 2/5/2002

Sissy Kyriazidou:  Date: 2/5/02

: \_\_\_\_\_ Date: \_\_\_\_\_  
: \_\_\_\_\_ Date: \_\_\_\_\_  
: \_\_\_\_\_ Date: \_\_\_\_\_